Philips
large display

42"
multimedia WXGA

420WN6QS

excellent and robust display solutions

Excellent and robust, the network-controlled Philips 420WN6 LCD monitor provides a reliable and multi-function solution with Philips leading display technology that guarantees your message gets out to the public crystal clear.

Less management effort for maximum productivity
- Multiple displays from a daisy chain to show uniform content
- Monitor is network controllable for remote management

Better front of screen experience
- Motion adaptive deinterlacing for razor sharp motion images
- 3D combfilter effectively delivers better picture quality
- Wide format WXGA 1366 x 768 resolution for sharper display
- Adaptive brightness intensifier technology
- Ready to display SDTV, EDTV and HDTV formats

Great convenience
- Input connectors:CVBS,S-video,SCART,YPbPr, and RF(TV input)
- Zoom function to enable tiled matrix application
- Support high-bandwidth digital content protection decryption
- Split screen for dual video/PC display
- Displays PC data while viewing video or TV in a window

PHILIPS
sense and simplicity

Highlights

Loop through
Multiple screen daisy chain is a system that effectively distributes audio and/or visual content from a single source to an array of monitors in various locations within a site.

Network controllability: RS232
Network controllability allows user to control and adjust monitors remotely through RS232 protocol.

Motion adaptive deinterlacing
Motion adaptive deinterlacing employs a smart deinterlacing algorithm that first detects the video source type and then removes flickers and sharp, 'saw-toothed' edges in the interlaced video to obtain stable and razor sharp images.

3D combfilter
The 3D comb filter separates brightness and color signals better in 3D domain to eliminate cross-color, cross-luminance and dot-crawl distortion - all of which detract from your viewing pleasure. The 3D digital comb filter performs field-by-field comparisons of the television image to accurately separate the color from the black-and-white information and remove both horizontally and vertically hanging dots, as well as dot crawl. The result is a razor sharp image.

WXGA 1366 x 768 resolution
The wide format of XGA resolution LCD panel is capable of displaying 1366 x 768 pixels; WXGA allows monitors to be non-interlaced to ensure a better display performance and accurate color display effect.

AI technology
Adaptive brightness intensifier technology significantly improves a display device's contrast ratio by enlarging the dynamic range of luminance displayed on LCD TV for darker displays of black and brighter display of white.

Versatile TV Format Ready
A display device ready to display standard definition television, extended definition television and high definition television signals, which are commonly used by TV systems in the world.

Versatile connectivity
A variety of format choices in connecting video or audio devices.

Zoom function for tiling
The zoom function divides a screen into various zones (2x2, 3x3, 4x4, 1x5). The user can enlarge the image in any one of the zones on a single monitor or put it to work with multiple display devices to build an screen array or monitor/TV wall.

HDCP
An HDCP-enabled TV decrypts protected content transmitted from a set top box: To prevent piracy, digital audio-visual content is protected by a high-bandwidth digital content protection (HDCP) system designed to protect transmissions between an HDCP transmitter - the set top box - and an HDCP receiver, the TV. After the transmitter verifies the TV is licensed to receive HDCP content, it transmits encrypted content to the television; and the TV decrypts and displays the content.

Picture by Picture
PBP splits a screen in two parts for the simultaneous display from a PC graphic in one half and video content in another.

Picture in Picture
PIP enables the viewing of a small television or video window at a selected location in a full-screen display.

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420WN6QS/93

Specifications

Picture/Display
- LCD panel type: 1366 x 768 pixels, Anti-glare polarizer
- Panel Size: 42" / 106.7cm
- Pixel pitch: 0.227 x 0.681 mm
- Brightness (nits): 500 nit
- Contrast ratio (typical): 1100:1 (with dynamic contrast ratio on)
- Display colors: 16.7 M
- Viewing angle: @ C/R > 10
- Viewing angle (H / V): 178 / 178 degree
- Response time (typical): 8 (grey to grey) ms
- White Chromaticity, 5700K: x = 0.328 / y = 0.344
- White Chromaticity, 6500K: x = 0.313 / y = 0.329
- White Chromaticity, 9300K: x = 0.283 / y = 0.297
- Maximum Resolution: 1366 x 768 @ 60Hz
- Optimum Resolution: 1360 x 768 @ 60Hz
- Factory Preset Modes: 12 modes
- Horizontal Scanning Frequency: 30 - 63 kHz
- Vertical Scanning Frequency: 56 - 75 Hz
- sRGB
- Aspect ratio: 16:9
- Picture enhancement: Motion adaptive de-interlacing, 3D Combfilter, Picture in Picture, Picture by Picture, Progressive Scan

Connectivity
- AV input: Audio (L/R) x1, Audio (L/R) for YPbPr x1, Composite (CVBS) x1, Component (YPbPr) x1, SCART x1, S-video x1, 75 ohm RF (TV) x1
- AV output: Audio (L/R) x1, Composite (CVBS) x1, Ext 3.5 mm jack x1
- PC: 3.5 mm PC audio input x1, DVI-D with HDCP, VGA-in D-Sub 15HD, VGA-out D-Sub 15HD
- RS232

Convenience
- Detachable Audio: 10W RMS x 2 Stereo Speaker
- User convenience: Loop through (daisy chain), Automatic Brightness Control, Automatic Overheat Warning, On-screen Display
- Child Protection: Parental Control
- Closed caption: CC full text
- Monitor Controls: Left/Right, Menu (OK), Power On/Off, Up/Down, Input select
- OSD Languages: English, French, German, Italian, Spanish, Simplified Chinese
- Plug & Play Compatibility: sRGB, Windows 98/ME/2000/XP
- Regulatory Approvals: CE Mark, C-Tick, FCC-B, UL, CSA, MPRII, NUTEK, TÜV/GS
- Screen Format Adjustments: Zoom
- Software: Virtual surrounding sound
- Teletext: 10 pages (EU,AP)
- VESA Mount: 100 x 100 mm

Accessories
- Included Accessories: AC Power Cord, DVI-D cable, Monitor base, Remote Control, Speakers (L/R), VGA cable
- Optional accessories: Protective Cover
- User Manual

Dimensions
- Dimensions (with base) (H x D): 680 x 300 mm
- Width (with speakers): 1272 mm
- Dimensions (w/o base & speakers) (W x H x D): 1052 x 644 x 150 mm
- MTBF: 50,000 hrs
- Relative humidity: 5% - 90%
- Temperature range (operation): 5°C to 35°C
- Temperature range (storage): 0°C to 60°C
- Weight: 35 kg

Power
- Complies with: NUTEK
- Consumption (On mode): 140 W (PC), 220 W (TV)
- Consumption (Off Mode): < 3 W
- Power LED indicator: Operation - Blue, Stand by/sleep - Amber
- Power supply: Built-in, 90-264 VAC, 50/60 Hz

Supported Display Resolution
- Computer formats

Resolution	Refresh rate
640 x 480	60, 75Hz
720 x 400	70Hz
800 x 600	60, 75Hz
1024 x 768	60, 75Hz
1280 x 768	60Hz

- Video formats

Resolution	Refresh rate
480i	60Hz
480p	60Hz
576i	50Hz
576p	50Hz
720p	50, 60Hz
1080i	50, 60Hz

Tuner/Reception/Transmission
- TV system: NTSC, PAL, SECAM

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